

Docket No. 250997US2SRD

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Tetsuo OKUYAMA, et al.

SERIAL NO: New Application

GAU:

FILED: Herewith

EXAMINER:

FOR: AIR BATTERY

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☐ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☐ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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IN RE APPLICATION OF: Tetsuo OKUYAMA, et al.

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**STATEMENT OF RELEVANCY**

**Reference AA (5,510,209) of Form PTO-1449:**

This patent relates to polymer based batteries comprising metal anodes and an oxygen gas cathode.

**Reference AW of Form PTO-1449:**

This paper relates to Li<sup>+</sup> conductive organic polymer electrolyte membrane for rechargeable Li/O<sub>2</sub> battery.

**Reference AX of Form PTO-1449:**

This paper relates to discharge capacity, rate capability, and rechargeability of Li/O<sub>2</sub> organic electrolyte cell.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 250997US2SRD		SERIAL NO. New Application	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Tetsuo OKUYAMA, et al.			
				FILING DATE Herewith		GROUP	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	AA	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	5,510,209	04/23/96	Kuzhikalail M. ABRAHAM, et al.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES                  NO		
	AO						
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AW	K. M. ABRAHAM, et al., "A POLYMER ELECTROLYTE-BASED RECHARGEABLE LITHIUM/OXYGEN BATTERY", J. Electrochem. Soc., Vol. 143, No. 1, January 1996, pgs. 1 - 5.					
	AX	J. READ, "CHARACTERIZATION OF THE LITHIUM/OXYGEN ORGANIC ELECTROLYTE BATTERY", Journal of The Electrochemical Society, Vol. 149, (9), 2002, pgs. A1190 - A1195.					
	AY						
	AZ					<input type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							